

## Sequences

### SEQUENCE LISTING

<110> BROWN, Eric L.

LEE, Lawrence

HOOK, Magnus

<120> METHOD OF PREVENTING T CELL-MEDIATED RESPONSES BY THE USE OF THE  
MAJOR HISTOCOMPATIBILITY COMPLEX CLASS II ANALOG PROTEIN (MAP PROTEIN)  
FROM STAPHYLOCOCCUS AUREUS

<130> P07023US01/BAS

<150> 60/260,523

<151> 2001-01-10

<160> 4

<170> PatentIn version 3.1

<210> 1

<211> 603

<212> DNA

<213> Staphylococcus aureus

<220>

<221> CDS

<222> (1)..(603)

<223>

<400> 1

atg aga gga tcg cat cac cat cac cat cac gga tcc cag att cca tat

Met	Arg	Gly	Ser	His	His	His	His	His	His	Gly	Ser	Gln	Ile	Pro	Tyr		
1				5					10					15			
aca	atc	act	gtg	aat	ggg	aca	agc	caa	aac	att	tta	tca	agc	tta	aca		96
Thr	Ile	Thr	Val	Asn	Gly	Thr	Ser	Gln	Asn	Ile	Leu	Ser	Ser	Leu	Thr		
			20					25					30				
ttt	aat	aag	aat	caa	caa	att	agt	tat	aaa	gat	ata	gag	aat	aaa	gtt		144
Phe	Asn	Lys	Asn	Gln	Gln	Ile	Ser	Tyr	Lys	Asp	Ile	Glu	Asn	Lys	Val		
		35					40					45					
aaa	tca	gtt	tta	tac	ttt	aat	aga	ggg	att	agt	gat	atc	gat	tta	aga		192
Lys	Ser	Val	Leu	Tyr	Phe	Asn	Arg	Gly	Ile	Ser	Asp	Ile	Asp	Leu	Arg		
	50					55				60							
ctt	tct	aag	caa	gca	aaa	tac	acg	gtt	cat	ttt	aag	aat	gga	aca	aaa		240
Leu	Ser	Lys	Gln	Ala	Lys	Tyr	Thr	Val	His	Phe	Lys	Asn	Gly	Thr	Lys		
65					70				75						80		
aga	gtt	gtc	gat	ttg	aaa	gca	ggc	att	cac	aca	gcc	gac	tta	atc	aat		288
Arg	Val	Val	Asp	Leu	Lys	Ala	Gly	Ile	His	Thr	Ala	Asp	Leu	Ile	Asn		
				85					90					95			
aca	agt	gac	att	aaa	gca	att	agt	gtt	aac	gta	gat	act	aaa	aag	caa		336
Thr	Ser	Asp	Ile	Lys	Ala	Ile	Ser	Val	Asn	Val	Asp	Thr	Lys	Lys	Gln		
			100					105					110				
gtg	aaa	gat	aaa	gag	gca	aaa	gca	aat	gtt	caa	gtg	ccg	tat	aca	atc		384
Val	Lys	Asp	Lys	Glu	Ala	Lys	Ala	Asn	Val	Gln	Val		Pro	Tyr	Thr	Ile	
		115				120						125					
act	gtg	aat	ggg	aca	agc	caa	aac	att	tta	tca	aac	tta	aca	ttt	aaa		432
Thr	Val	Asn	Gly	Thr	Ser	Gln	Asn	Ile	Leu	Ser	Asn	Leu	Thr	Phe	Lys		
	130					135					140						
aag	aat	cag	caa	att	agt	tat	aaa	gat	tta	gag	aat	aat	gta	aaa	tca		480
Lys	Asn	Gln	Gln	Ile	Ser	Tyr	Lys	Asp	Leu	Glu	Asn	Asn	Val	Lys	Ser		
145					150					155					160		
gtt	tta	aaa	tca	aac	aga	ggg	ata	act	gat	gta	gat	tta	aga	ctt	tca		528
Val	Leu	Lys	Ser	Asn	Arg	Gly	Ile	Thr	Asp	Val	Asp	Leu	Arg	Leu	Ser		
				165					170					175			
aaa	caa	gcg	aaa	ttt	aca	gtt	aat	ttt	aaa	aat	ggc	acg	aaa	aaa	gtt		576
Lys	Gln	Ala	Lys	Phe	Thr	Val	Asn	Phe	Lys	Asn	Gly	Thr	Lys	Lys	Val		
			180					185					190				
atc	gat	ttg	aaa	gca	ggc	att	tat	tga									603
Ile	Asp	Leu	Lys	Ala	Gly	Ile	Tyr										
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&lt;210&gt; 2

&lt;211&gt; 200

&lt;212&gt; PRT

&lt;213&gt; Staphylococcus aureus

200435 01002

&lt;400&gt; 2

Met Arg Gly Ser His His His His His His Gly Ser Gln Ile Pro Tyr  
1 5 10 15

Thr Ile Thr Val Asn Gly Thr Ser Gln Asn Ile Leu Ser Ser Leu Thr  
20 25 30

Phe Asn Lys Asn Gln Gln Ile Ser Tyr Lys Asp Ile Glu Asn Lys Val  
35 40 45

Lys Ser Val Leu Tyr Phe Asn Arg Gly Ile Ser Asp Ile Asp Leu Arg  
50 55 60

Leu Ser Lys Gln Ala Lys Tyr Thr Val His Phe Lys Asn Gly Thr Lys  
65 70 75 80

Arg Val Val Asp Leu Lys Ala Gly Ile His Thr Ala Asp Leu Ile Asn  
85 90 95

Thr Ser Asp Ile Lys Ala Ile Ser Val Asn Val Asp Thr Lys Lys Gln  
100 105 110

Val Lys Asp Lys Glu Ala Lys Ala Asn Val Gln Val Pro Tyr Thr Ile  
115 120 125

Thr Val Asn Gly Thr Ser Gln Asn Ile Leu Ser Asn Leu Thr Phe Lys  
130 135 140

Lys Asn Gln Gln Ile Ser Tyr Lys Asp Leu Glu Asn Asn Val Lys Ser  
145 150 155 160

Val Leu Lys Ser Asn Arg Gly Ile Thr Asp Val Asp Leu Arg Leu Ser  
165 170 175

Lys Gln Ala Lys Phe Thr Val Asn Phe Lys Asn Gly Thr Lys Lys Val  
180 185 190

Ile Asp Leu Lys Ala Gly Ile Tyr  
195 200

&lt;210&gt; 3

&lt;211&gt; 396

&lt;212&gt; DNA

&lt;213&gt; Staphylococcus aureus

10041775.01002

&lt;220&gt;

&lt;221&gt; CDS

&lt;222&gt; (1)..(396)

&lt;223&gt;

&lt;400&gt; 3

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Met	Arg	Gly	Ser	His	His	His	His	His	His	Gly	Ser	Gln	Ile	Pro	Tyr	
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aca	atc	act	gtg	aat	ggt	aca	agc	caa	aac	att	tta	tca	agc	tta	aca	96
Thr	Ile	Thr	Val	Asn	Gly	Thr	Ser	Gln	Asn	Ile	Leu	Ser	Ser	Leu	Thr	
			20					25					30			
ttt	aat	aag	aat	caa	caa	att	agt	tat	aaa	gat	ata	gag	aat	aaa	gtt	144
Phe	Asn	Lys	Asn	Gln	Gln	Ile	Ser	Tyr	Lys	Asp	Ile	Glu	Asn	Lys	Val	
		35					40					45				
aaa	tca	gtt	tta	tac	ttt	aat	aga	ggt	att	agt	gat	atc	gat	tta	aga	192
Lys	Ser	Val	Leu	Tyr	Phe	Asn	Arg	Gly	Ile	Ser	Asp	Ile	Asp	Leu	Arg	
	50					55					60					
ctt	tct	aag	caa	gca	aaa	tac	acg	gtt	cat	ttt	aag	aat	gga	aca	aaa	240
Leu	Ser	Lys	Gln	Ala	Lys	Tyr	Thr	Val	His	Phe	Lys	Asn	Gly	Thr	Lys	
65					70					75					80	
aga	gtt	gtc	gat	ttg	aaa	gca	ggc	att	cac	aca	gcc	gac	tta	atc	aat	288
Arg	Val	Val	Asp	Leu	Lys	Ala	Gly	Ile	His	Thr	Ala	Asp	Leu	Ile	Asn	
				85					90					95		
aca	agt	gac	att	aaa	gca	att	agt	gtt	aac	gta	gat	act	aaa	aag	caa	336
Thr	Ser	Asp	Ile	Lys	Ala	Ile	Ser	Val	Asn	Val	Asp	Thr	Lys	Lys	Gln	
			100					105					110			
gtg	aaa	gat	aaa	gag	gca	aaa	gca	aat	gtt	gtc	gac	ctg	cag	cca	agc	384
Val	Lys	Asp	Lys	Glu	Ala	Lys	Ala	Asn	Val	Val	Asp	Leu	Gln	Pro	Ser	
		115					120					125				
tta	att	agc	tga													396
Leu	Ile	Ser														
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&lt;210&gt; 4

&lt;211&gt; 131

&lt;212&gt; PRT

&lt;213&gt; Staphylococcus aureus,

&lt;400&gt; 4

1004175.011003

Met Arg Gly Ser His His His His His His Gly Ser Gln Ile Pro Tyr  
 1 5 10 15  
 Thr Ile Thr Val Asn Gly Thr Ser Gln Asn Ile Leu Ser Ser Leu Thr  
 20 25 30  
 Phe Asn Lys Asn Gln Gln Ile Ser Tyr Lys Asp Ile Glu Asn Lys Val  
 35 40 45  
 Lys Ser Val Leu Tyr Phe Asn Arg Gly Ile Ser Asp Ile Asp Leu Arg  
 50 55 60  
 Leu Ser Lys Gln Ala Lys Tyr Thr Val His Phe Lys Asn Gly Thr Lys  
 65 70 75 80  
 Arg Val Val Asp Leu Lys Ala Gly Ile His Thr Ala Asp Leu Ile Asn  
 85 90 95  
 Thr Ser Asp Ile Lys Ala Ile Ser Val Asn Val Asp Thr Lys Lys Gln  
 100 105 110  
 Val Lys Asp Lys Glu Ala Lys Ala Asn Val Val Asp Leu Gln Pro Ser  
 115 120 125  
 Leu Ile Ser  
 130

1004375-01102